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10/035,075 12/28/2001 Richard E. Smalley 11321-P012USD2 7590 03/31/2005 EXAMINER WINSTEAD SECHREST & MINICK P.C.	4365	
32.11.		
MINISTEAD SECUREST & MINISTER OF	R	
WINSTEAD SECTION WINTER F.C.	LISH, PETER J	
P.O. BOX 50784 DALLAS TV 75201 ARTUNIT	PAPER NUMBER	
DALLAS, TX 75201	TATERNOMER	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/035,075	SMALLEY ET AL.
	Examiner	Art Unit
	Peter J Lish	1754
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet \	vith the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	i6(a). In no event, however, may a within the statutory minimum of the ill apply and will expire SIX (6) MC cause the application to become	a reply be timely filed hirty (30) days will be considered timely. NTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).
Status		
1)⊠ Responsive to communication(s) filed on <u>28 December</u> 2a)□ This action is FINAL . 2b)⊠ This 3)□ Since this application is in condition for alloware closed in accordance with the practice under E	action is non-final. nce except for formal ma	
Disposition of Claims		
4) ☐ Claim(s) <u>18-30,163-173 and 176</u> is/are pending 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) <u>18-30,163-167 and 176</u> is/are allowed 6) ☐ Claim(s) <u>168-170, and 173</u> is/are rejected. 7) ☐ Claim(s) <u>171 and 172</u> is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration. I.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the order access and access are also access as a second of the seco	epted or b) objected to drawing(s) be held in abey ion is required if the drawir	ance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in ity documents have bee u (PCT Rule 17.2(a)).	Application No en received in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4/19/03, 1/13/03, 9/21/04, 10/26	Paper No. 5) Notice of Other	v Summary (PTO-413) b(s)/Mail Date f Informal Patent Application (PTO-152)

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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I in the reply filed on 12/28/04 is acknowledged.

Double Patenting

Claims 168-170 and 173 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 92-94 of copending Application No. 10/027,671. Although the conflicting claims are not identical, they are not patentably distinct from each other because dispersing the tangled SWNTs in an aqueous detergent solution, as in '671, obviates forming a suspension of the tangled SWNTs in any of the solutions in claim 168 of the present application.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Allowable Subject Matter

Claims 18-30, 163-167, and 176 are allowed. The following is a statement of reasons for the indication of allowable subject matter: The closest prior art of reference, "Structural Modifications of Single-Layer Carbon Nanotubes with an Electron Beam" to Kiang et al., teaches the cutting of single-walled nanotubes. However, it does not teach the fractionation of the cut tubes into portions having substantially equal lengths.

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Claims 171-172 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The following prior art made of record and not relied upon is considered pertinent to applicant's disclosure: US 6,331,262 to Haddon et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter J Lish whose telephone number is 571-272-1354. The examiner can normally be reached on 9:00-6:00 Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on 571-272-1358. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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STEVEN BOS PRIMARY EXAMINER GROUP 1100